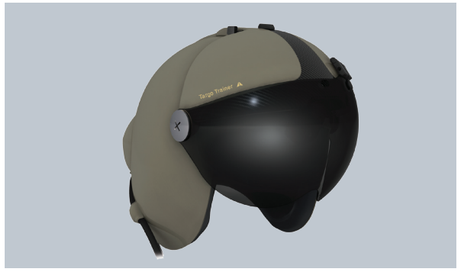
Elbit Systems CockpitNG™

Your Guardian Angel in the Sky

Elbit Systems
Aerospace

Leveraging decades of experience, Elbit Systems cockpitNG™ provides aircrews with major operational benefits. Elbit Systems cockpitNG™ - the next generation cockpit for fighter aircraft, helicopters, transports and trainers - improves situational awareness, reduces pilot workload and enhances flight safety.
Elbit Systems cockpitNG™ integrates a wide variety of helmet-mounted, heads-up and panoramic displays with advanced algorithms, data fusion and development tools to deliver a fully customizable multi-mission cockpit.

Next Generation Display Systems



Suit of Head-Up Displays (HUD) and Helmet-Mounted Avionics (HMA)

- Extended day and night field-of-view (FOV)
- Video-capable high-resolution display
- Off visor safest display
- Flexible and modular design

Suite of Panoramic Displays

- Configurable - ultra slim design and variety of sizes
- Intuitive user interface - high-definition (HD) touch screen

HD panoramic display and effective data management to reduce pilot workload

Next Generation Computing Units

- Supports 3rd party application using open system architecture (OSA)
- Multiple run-time environments including simultaneous real-time and PC applications
- Multi-function processing for mission, weapon and display systems

Modular systems which are customizable for multiple platforms and offer multi-mission support

Next Generation Applications

- Advanced data and sensor fusion
- 3D vector map including embedded video and highway-in-the-sky (HITS) representation
- Embedded Virtual Avionics (EVA™) - virtual radar, EW and targeting pod
- Timely and relevant presentation of mission information
- Smart electronic flight bag (EFB)

3D map integrating sensors and mission data to improve situational awareness and flight safety

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Elbit Systems Ltd.
Advanced Technology Center, P.O.B. 539, Haifa 31053, Israel
E-mail: aerospace@elbitsystems.com www.elbitsystems.com

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